



SANMAR CHAIN INTERNATIONAL PTE LTD



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Australia - China - Norway - UK - U.S.A.

OFFSHORE MOORING CHAINS REFERENCE LIST

Customer:	Location:	Size:	Material Grade:	Chain Type:	Classification Society:	Quantity (tonnes):	Application:	Project (if known):	Year(s) of Supply:
Enron Oil & Gas	India	4.3/8"	U3	Stud Link	LROS	45	CALM Buoy	Panna/Mukta Offshore Fields	2001
Bluewater	Thailand	90mm	RQ4	Studless	ABS	720	CALM Buoy/FSO Option	Unocal Big Oil Field	2001
J. Ray McDermott Engineering	USA	5.3/4"	RQ4	Studless	ABS	1,400	Spar Platform	Dominion Devils Tower	2002
Santa Fe Drilling Co	USA	3"	ORQ	Stud Link	ABS	20	Towing Chains	Jack-Up Drilling Rigs	2002 + 2003
SBM Imodco Inc	USA	3" + 3.1/2"	R3	Studless	ABS	250	CALM Buoy	CPC/CHQCEC - Sri Lanka	2002
FMC - SOFEC	Ecuador	3.3/16" + 3.7/8"	U3	Stud Link	ABS	780	2 x CALM Buoys	OCP Techint	2002
SBM/Saipem	Nigeria	95mm	R3S	Studless	ABS	1,630	Moorings Chains	FPSO Mystras	2003
SBM Imodco	Malaysia	95mm	R3S	Studless	ABS	1,000	Moorings Chains	FPSO MISC	2003
SBM Monaco	Yemen	114mm	R3S	Stud Link	ABS	625	CALM Buoy	Canadian Nexen	2003
J. Ray McDermott Engineering	USA	5.3/4"	RQ4	Studless	ABS	40	Spar Platform	Dominion Devils Tower	2003
SBM Imodco	Thailand	90mm	RQ4	Studless	ABS	360	FSO	Unocal Big Oil	2003
Oil & Natural Gas Corporation Ltd (ONGC)	India	3 1/4"	U3	Stud Link	ABS	10	Moorings Chains	Bombay High Field	2003
Oil & Natural Gas Corporation Ltd (ONGC)	India	3 1/4"	U3	Stud Link	ABS	12	Moorings Chains	Bombay High Field	2003
SBM Imodco	India	76mm	R4	Stud Link	ABS	10	CALM Buoy	Cairn Energy - Ravva	2003
Bluewater	Libya	81mm	R3S	Studless	LROS	250	CALM Buoy	AGIP - WAFA Plant	2004
Bluewater	Malta	92mm	R4	Studless	LROS	25	CALM Buoy	Stock Buoy	2004
Larsen & Toubro	India	90mm	U3	Stud Link	ABS	450	CALM Buoy	ONGC N/9/N10	2004
SBM Imodco	Nigeria	87/102/114mm	RQ3	Stud/Studless	ABS	660	Moorings Chains	FSO Yoho	2004
Bluewater	Trinidad	76mm	R3S	Studless	LROS	227	Anchor Chains	BHP Angostura CALM	2004
Petrobras	Brazil	114mm	R4	Studless	ABS	375	FPSO	Petrobras P50	2004
FMC - SOFEC	Australia	118mm	No Grade	Studless	N/A	480	Weight Chain	SANTOS FPSO	2004
SBM Imodco	India	95mm	R3	Studless	ABS	370	CALM Buoy	Adani Port, Mundra	2004
SBM Imodco	India	80mm	R3S	Studless	ABS	425	CALM Buoy	ONGC/EIL D1	2004
SBM Monaco	India	102/122mm	R4/R3S	Studless	ABS	440	CALM Buoy	IOCL Paradip	2005
SBM Monaco	Ghana	76/89mm	R3/R3S	Stud Link	ABS	395	CALM Buoy + CBM	TEMA Oil Refinery	2005
Craig Group International Mooring Systems	Angola	76mm	R4	Stud Link	DNV	1820	Preset MODU Moorings	ChevronTexaco - Interroom	2005
Craig Group International Mooring Systems	UK	76mm	R4	Stud Link	DNV	400	MODU	Stock	2005
SBM Monaco	Turkmenistan	76mm	R3	Studless	ABS	445	Turret FSO	EWT Turkmenistan	2005
Bluewater	Sudan	87mm	R3S	Studless	ABS	545	CALM Buoy	Melut	2005
Bluewater	Indonesia	76mm	R3S	Studless	ABS	310	CALM Buoy	Tuban	2005
Bluewater	Nigeria	95/81mm	R3S	Studless	ABS	490	CALM Buoy	BTIP Offshore Facilities	2005
Craig Group International Mooring Systems	UK	76mm	R4	Stud Link	DNV	585	MODU	Shell UK	2005
Craig Group International Mooring Systems	Singapore	76mm	R4	Stud Link	DNV	260	MODU	Preset Moorings	2005
Craig Group International Mooring Systems	UK	92mm	R4	Stud Link	DNV	200	MODU	Balmoral Field	2005
SBM Imodco	Chile	84mm	R4	Studless	ABS	350	CALM Buoy	ENAP Terminal	2005
FMC - SOFEC	Vietnam	89/102/152mm	R4/No Grade	Studless/SLAC	ABS	1900	FPSO	Rong Doi	2006
Amerada Hess	Equatorial Guinea	76mm	R3	Studless	ABS	1200	TAD Operations	Okume/Oveng	2006
SBM Imodco	Indonesia	95mm	R4	Studless	ABS	825	FSO/CALM Buoy	ConocoPhillips Belanak	2006
FSTP Brazil	Brazil	95mm	R3 + R4	Studless	DNV	1200	FPU	P-51 Platform Chain	2006
Bluewater	Malaysia	97mm	R3S	Studless	ABS	765	FSO	Abu Cluster	2006
Transocean	Norway	84mm	R4	Stud Link	DNV	110	MODU	Leader	2006
FMC - SOFEC	Australia	76/146mm	R3	Studless	ABS	880	FPSO	BHP Billiton Stybarrow	2006
Craig Group International Mooring Systems	UK	76mm	R4	Stud Link	DNV	390	MODU	Prosafte	2006
Erling Haug	Norway	68mm	R3	Stud Link	DNV	170	Special Mooring	Shell Draugen	2005 + 2006
Bluewater	Qatar	81mm	R3S	Studless	ABS	570	CALM Buoy	Qatargas	2006
Bluewater	UK	120mm	R3S	Studless	DNV	1900	FPSO	Aoka Mizu/Ettrick Field	2007
Manson Construction	USA	114mm	R4	Studless	ABS	1400	MODU	Boeing Adak Mooring	2007
Transocean	Norway	76mm	R4	Stud Link	DNV	700	MODU	Searcher	2007
SBM Monaco	Vietnam	107/89mm	R3/R3S	Studless	ABS	1135	CALM Buoy	Dung Quat	2007
Saipem	Angola	107mm	R4	Studless	ABS	1440	FPSO	Gimboa	2007
SOFEC	Vietnam	95/89mm	R3	Studless	ABS	1100	FPSO	Rang Dong	2007
Helix Energy Solutions	USA	38mm	R3	Studless	ABS	215	FPU	Producer 1	2007
SBM Atlantia	India	92mm	R3S	Studless	ABS	551	CALM Buoy	ONGC Heera	2008
SOFEC	Australia	100/85mm	R3	Studless	ABS	890	FPSO	BHPB Pyrenees	2008
Bluewater	Qatar	105mm	R3S	Studless	ABS	3127	CALM Buoys	Maersk Oil Qatar	2008
SOFEC	India	85mm	R3	Studless	ABS	296	CALM Buoy	Bharat Oman Refinery	2008
SOFEC	Indonesia	76mm	R3S	Stud Link	ABS	490	CALM Buoys	IKPT Tuban	2008
SOFEC	Brazil	114mm	R3S/R3	Studless	ABS	3600	FPSO	Petrobras Cidade de Santos MV20	2009
Atwood Oceanics Inc	USA	83mm	R4	Stud Link	ABS	2350	MODU	Atwood Osprey	2009
Bluewater	Brunei	76mm	R3	Studless	ABS	270	CALM Buoy	BEDB Brunei	2009
SBM Atlantia	India	95mm	R3S	Studless	ABS	475	CALM Buoy	Mundra Bathinda	2009
SOFEC	Ghana	80/100mm	R3	Studless	ABS	720	FPSO	Tullow Jubilee	2009
Bluewater	India	90mm	R4	Studless	ABS	425	CALM Buoy	HPCL	2009
SBM Atlantia	Venezuela	95mm	R4	Studless	ABS	360	CALM Buoy	PDVSA	2010
Bluewater	India	92mm	R4	Studless	ABS	335	CALM Buoy	Cairn Energy	2010
SOFEC	India	95mm	R3	Studless	DNV	380	CALM Buoy	Nagarjuna Refinery	2011
SOFEC	Papua New Guinea	95mm	R4	Studless	ABS	480	CALM Buoy	OilSearch Kumul Terminal	2011
SBM Atlantia	India	102mm	R4	Studless	ABS	955	CALM Buoy	IOCL Paradip Terminal	2011
Bluewater	Venezuela	76mm	R3S	Studless	ABS	200	CALM Buoy	PDVSA	2011
SBM Atlantia	India	97mm	R4	Studless	ABS	600	CALM Buoy	BG Panna Field	2011
Petrofac	Malaysia	105mm	R4	Studless	BV	1900	FPSO	Cendor Phase 2	2012
Saipem	Brazil	81/107mm	R4	Studless	ABS	530	PLET	Petrobras P55	2012
SOFEC	Brazil	120mm	R4	Studless	ABS	2310	FPSO	OSX-3	2012
Perenco	Cameroon	76 + 108mm	R3	Studless	BV	910	FSO	Masongo	2012
GSME	UAE	73mm	R3S	Studless	GLND	225	CALM Buoy	Millennia SPM	2012
						54,683			